

SS 7 - j62280230/pn - 2 Results
print full ind 1-2 excl dups

*** PATENT GROUP ***

-1- (WPAT)

ACCESSION NUMBER
SECONDARY ACCESSION
XRPX
TITLE

88-017938/03
C88-008019
N88-013301
Reinforced double layer ion exchange
diaphragm - has ion exchanger layer, tissue
of reinforcing strand, laminated porous
material layer and hydrophilic gas release
layer on surface

DERWENT CLASSES
PATENT ASSIGNEE
PRIORITY
NUMBERS
PUBLICATION DETAILS
APPLICATION DETAILS
SECONDARY INT'L. CLASS.

A88 D15 J01 P73
(ASAG) ASAHI GLASS CO LTD
86.05.30 86JP-123668
1 patent(s) 1 country(s)
JP62280230 A 87.12.05 * (8803) 11p
86JP-123668 86.05.30
B32B-005/24 C02F-001/42 C08J-005/22
C08J-009/00

ABSTRACT

JP62280230 A
Diaphragm consists of (A) a layer of ion
exchanger, (B) tissue of reinforcing strand,
and (C) layer of porous material laminated in
sequence and has total thickness 40-600
microns. The layer of porous material has
pore size 0.05-30 micron, porosity 30 - 95%,
thickness 10-250 micron, and Garle number
1-1,000. It has (D) a gas release layer on
the surface and is internally hydrophilic.

(A) is composed pref. of a F-contg.
cation exchanger with capacity 0.5-2.0
meq./g. It pref. has a porous layer
consisting of hydrophilic particles or a gas
release layer consisting of surface-roughened
layer. It comprises pref. at least two kinds
of layers of F-contg. polymer having
sulpho-and/or carboxyl gps., the layer facing
to the cathode having smallest water content,
carboxyl gps., and thickness 20-200 microns.

(B) is pref. a fabric of F-contg.
polymer strand or of mixed spinning or mixed
weaving of F-contg. polymer strand and
sacrificial strand having web density 5 to
100/inch. The F-contg. polymer strand is
pref. 5-400 denier. (C) is composed pref. of
F-contg. polymer. The hydrophilic layer
inside the pores of (C) consists pref. of a
coating layer of hydrophilic F-contg. polymer
or a layer of hydrophilic particles bound
with F-contg. polymer. (D) is pref. a porous
layer consisting of hydrophilic particles or
a roughened layer formed by roughening the
surface of (C).

USE/ADVANTAGE - The diaphragm is used

for electrolytic diaphragm. It has high
current efficiency and mechanical strength
and low membrane resistance. (0/0)

SS 8 - j02800231/pn - 0 Results

SS 9 - j90800231/pn - 0 Results

TERM (J90800231/PN) NOT FOUND.

SS 9 RESULT (0)

WPAT (0)

JAPIO (0)

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